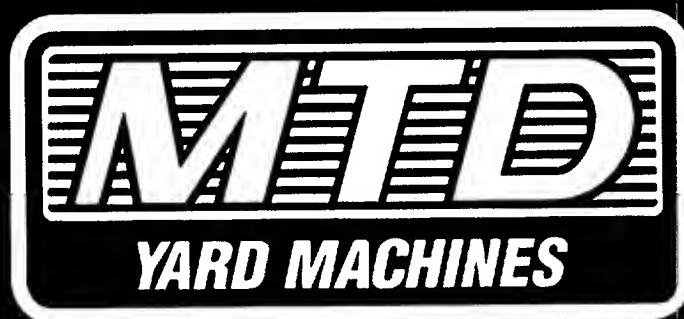


ILLUSTRATED PARTS

AMERICAN  AMERICAN
M A D E O W N E D
OUTDOOR POWER EQUIPMENT



1996

LOG SPLITTERS

Model Number	Pages
246-630-000	2, 3
246-631-000	2, 3
246-634-000	2, 3
246-635-000	4, 5
246-636-000	4, 5
246-637-000	4, 5
246-638-000	6, 7

This technical drawing is an exploded view of a mechanical assembly, likely a small engine or pump. The diagram shows various components and their assembly relationships, indicated by dashed lines. Key parts include:

- Engine/Actuator:** A central component (86) with a piston rod (77) and a connecting rod (75) attached to a crankshaft (78).
- Drive Mechanism:** A large flywheel (10) is connected to a shaft (4) and a pulley (103). A belt (45) is shown driving the pulley.
- Control/Valve Assembly:** A complex assembly on the left (30, 31, 33) includes a valve (36) and a lever (37). A cable (60) is connected to the lever.
- Structural Frame:** A vertical frame (95) supports the engine and other components. A base plate (99) is shown at the top.
- Labels:** The diagram is divided into three main sections labeled A, B, and C, which likely correspond to different sub-assemblies or stages of assembly.

Numbered parts (1-104) are distributed throughout the diagram, indicating specific components and their assembly sequence. For example, parts 1-10 are associated with the flywheel and pulley, while parts 100-104 are associated with the base and drive components.

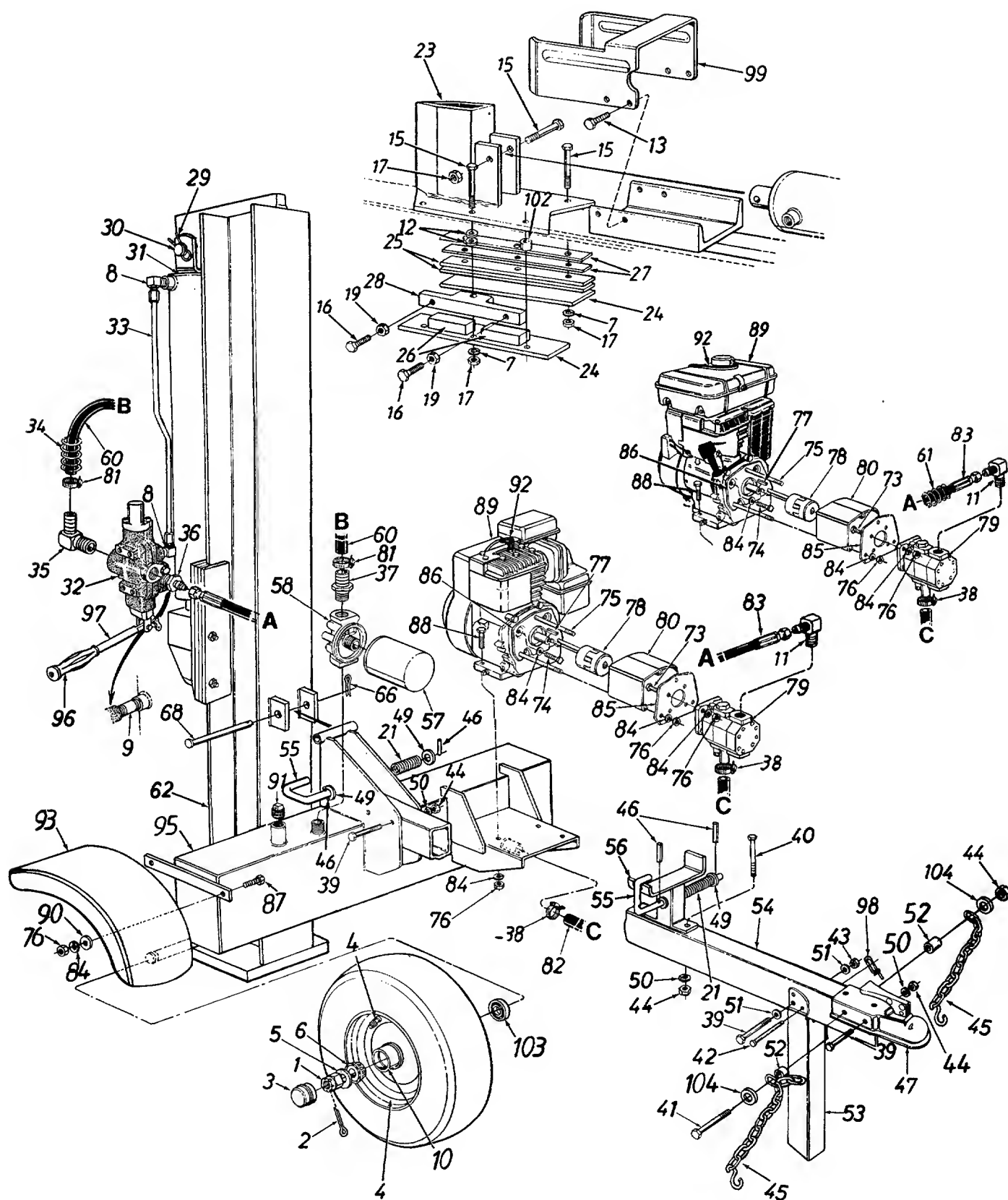
Models 630, 631 and 634

PARTS LIST FOR MODELS 630, 631 AND 634 LOG SPLITTERS

REF. NO.	PART NO.	CODE	DESCRIPTION	REF. NO.	PART NO.	CODE	DESCRIPTION
1	712-0359		Slotted Nut 3/4-16 Thd.	46	715-0116		Roll Pin
2	714-0162		Cotter Pin 5/32" Dia. x 1-1/4" Lg.	47	727-0311		Hitch Coupler
3	734-0873		Hub Cap	48	712-3000		Hex Ctr. L-Nut 3/8-16 Thd.
4	734-1016		Wheel Ass'y. Comp.	49	736-0116		FI-Wash. .635" I.D. x .93" O.D.
	734-0872		Tire Only	50	736-0169		L-Wash. 3/8" I.D.*
	734-1017		Rim Only	51	736-0185		FI-Wash. .406" I.D. x .75" O.D.
	721-0168		Bearing Seal Only	52	750-0507		Spacer 3/8" I.D. x .625" O.D.
	734-0255		Air Valve Only	53	781-0162		Jack Stand
5	736-0351		FI-Wash. .76" I.D. x 1.5" O.D.	54	781-0399		Tongue Tube
6	741-3028		Bearing Cone	55	781-0370A		Locking Rod
7	736-0921		L-Wash. 1/2" I.D.*	56	781-0398		Beam Support Ass'y.
8	737-0192		90° Solid Male Adapter	57	723-0405		Filter Element
9	737-0238		Pipe Nipple 1/2 NPT	58	723-0406		Filter Head
10	741-3029		Bearing Cup	59	726-0132		Hose Clamp 5/8"
11	736-0192		FI-Wash. .531" I.D. x .94" O.D.	60	727-0443		Return Hose 3/4" I.D. x 44" Lg.
15	710-1018		Hex Bolt 1/2-20 x 2.75" Lg. (Grade 8)	62	781-0404A		Vertical Beam Ass'y.
				66	714-0470		Cotter Pin 1/8" Dia.
16	710-1032		Hex Bolt 3/8-24 x 1.5" Lg.	68	738-0805		Hinge Pin 1/2 x 4.8" Lg.
17	712-0239		Hex L-Nut 1/2-20 Thd.	73	710-0117		Hex Bolt 5/16-24 x 1" Lg.
18	712-0333		Hex Nut 1/2-20 Thd.	74	710-0237		Hex Bolt 5/16-24 x .62" Lg.
19	712-3001		Hex Jam Nut 3/8-24 Thd. (Grade 5)	75	710-0363		Hex Bolt 5/16-24 x 4" Lg.
				76	712-0123		Hex Nut 5/16-24 Thd.
21	732-0583		Comp. Spring 4" Lg.	77	714-0122		Sq.-Key 3/16" x .75"
23	781-0323B		Wedge Ass'y.	78	717-0891		Flexible Coupling
24	781-0537		Back Plate	79	717-0936		Gear Pump
25	781-0350A		Fixed Side Gib	80	719-0278		Coupling Shield
26	781-0351		Adjustable Gib	81	726-0174		Hose Clamp
27	781-0352A		Adjustable Gib Shim	82	727-0641		Suction Hose
28	781-0356		Floating Gib Plate	83	727-0452		High Pressure Hydraulic Hose
29	714-0203		External Cotter Pin	84	736-0119		L-Wash. 5/16" I.D.*
30	715-0216		Cylinder Mounting Pin	85	781-0097		Rear Coupling Support Brkt.
31	718-0245		Hydraulic Cylinder (630 & 634)	86	781-0098		Front Coupling Support Brkt.
	718-0262		Hydraulic Cylinder (631)	88	710-0409		Hex Bolt 5/16-24 x 1.75" Lg.
32	717-0899		Control Valve	89	—		Engine
33	727-0323		Metal Pressure Tube	91	737-0236		L-Vent Pipe Plug
35	737-0153		Return Elbow	92	735-0639		Spark Plug Boot
36	737-0279		Adapter	95	781-0501B	N	Tank Ass'y.
37	737-0235		3/4" Hose Barb.	96	720-0235		Grip
39	710-3066		Hex Bolt 3/8-16 x 2.75" Lg. (Grade 8)	97	747-0583		Control Handle
				98	732-0194		Spring Pin
40	710-0411		Hex Bolt 3/8-16 x 4" Lg.	99	781-0168A		Stripper Plate
41	710-3080		Hex Bolt 3/8-16 x 4" Lg. (Grade 5)	100	710-3144		Hex Bolt 3/8-16 x 2.0" Lg. (Gr. 5)
				101	712-0430		Hex L-Nut 3/8-16 Thd.
42	711-0813		Clevis Pin 5/16 x 2.5" Lg.	102	750-0743		Spacer 1/2" I.D. x .68" Lg.
43	712-0375		Hex L-Nut 3/8-16 Thd.	103	721-0168		Bearing Seal Only
44	712-0798		Hex Nut 3/8-16 Thd.*	104	736-0262		FI-Wash. 3/8" I.D. x .87" O.D.
45	713-0433		Chain—Tow Hitch	105	737-0265		90° Male Adapter

*For faster service obtain standard nuts, bolts and washers locally.
If these items cannot be obtained locally, order by part number
and size as shown on parts list.

Models 635, 636 and 637



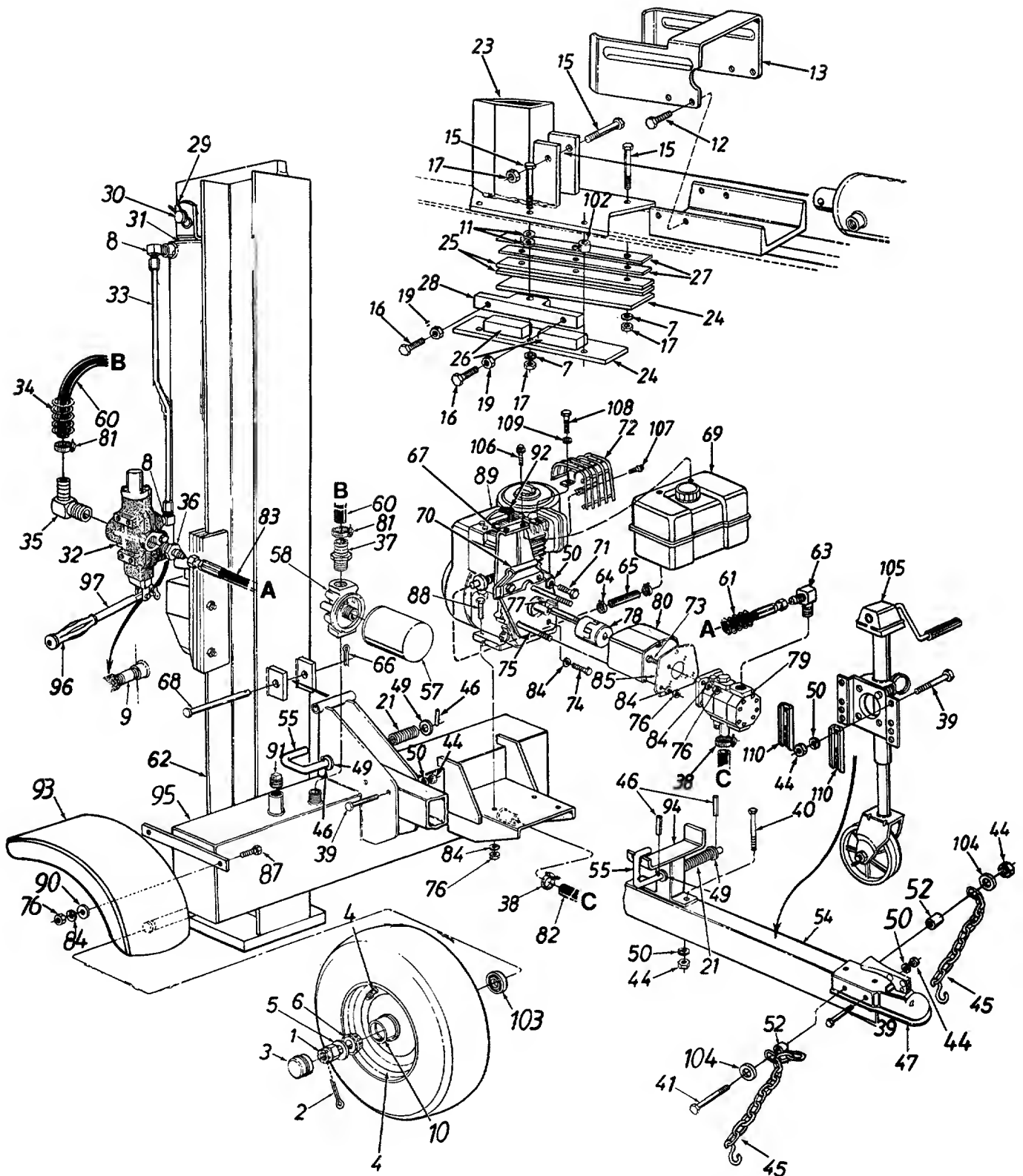
Models 635, 636 and 637

PARTS LIST FOR MODELS 635, 636 AND 637 LOG SPLITTERS

REF. NO.	PART NO.	CODE	DESCRIPTION	REF. NO.	PART NO.	CODE	DESCRIPTION
1	712-0359		Slotted Nut 3/4-16 Thd.	46	715-0116		Roll Pin
2	714-0162		Cotter Pin 5/32" Dia.	47	727-0311		Hitch Coupler
3	734-0873		Hub Cap	49	736-0116		FI-Wash. .635" I.D. x .93" O.D.
4	734-1016		Wheel Ass'y. Comp.	50	736-0169		L-Wash. 3/8" I.D.*
	734-0872		Tire Only	51	736-0185		FI-Wash. .406" I.D. x .75" O.D.
	734-1017		Rim Only	52	750-0497		Spacer .44" Lg.
	734-0255		Air Valve Only	53	781-0162		Jack Stand
5	736-0351		FI-Wash. .76" I.D. x 1.5" O.D.	54	781-0399		Tongue Tube
6	741-3028		Bearing Cone	55	781-0370A		Locking Rod
7	736-0921		L-Wash. 1/2" I.D.*	56	781-0398		Beam Support Ass'y.
8	737-0192		90° Solid Male Adapter	57	723-0405		Filter Element
9	737-0238		Pipe Nipple 1/2 NPT	58	723-0406		Filter Head
10	741-3029		Bearing Cup	60	727-0443		Return Hose 3/4" I.D. x 44" Lg.
11	737-0265		90° Male Adapter	61	781-0538		Hose Guard (637)
12	736-0192		FI-Wash. .531" I.D. x .94" O.D.	62	681-0014		Vertical Beam Ass'y.
13	710-0514		Hex Cap Scr. 3/8-16 x 1" Lg.	66	714-0470		Cotter Pin 1/8" Dia.
15	710-1018		Hex Bolt 1/2-20 x 2.75" Lg. (Grade 8)	68	738-0805		Hinge Pin 1/2 x 4.8" Lg.
16	710-1032		Hex Bolt 3/8-24 x 1.5" Lg.	73	710-0117		Hex Bolt 5/16-24 x 1" Lg.
17	712-0239		Hex L-Nut 1/2-20 Thd.	74	710-0237		Hex Bolt 5/16-24 x .62" Lg.
19	712-3001		Hex Jam Nut 3/8-24 Thd. (Grade 5)	75	710-0363		Hex Bolt 5/16-24 x 4" Lg.
21	732-0583		Comp. Spring 4" Lg.	76	712-0123		Hex Nut 5/16-24 Thd.
23	781-0323B		Wedge Ass'y.	77	714-0122		Sq. Key 3/16" x .75"
24	781-0537		Back Plate	78	717-0891		Flexible Coupling
25	781-0350A		Fixed Side Gib	79	717-0936		Gear Pump
26	781-0351		Adjustable Gib	80	719-0278		Coupling Shield
27	781-0352A		Adjustable Gib Shim	81	726-0132		Hose Clamp 5/8"
28	781-0356		Floating Gib Plate	82	727-0451		Suction Hose
29	714-0203		External Cotter Pin	83	727-0452		High Pressure Hydraulic Hose 48"
30	715-0216		Cylinder Mounting Pin	84	736-0119		L-Wash. 5/16" I.D.*
31	718-0246		Hydraulic Cylinder	85	781-0097		Rear Coupling Support Brkt.
32	717-0899		Control Valve	86	781-0098		Front Coupling Support Brkt.
33	727-0323		Metal Pressure Tube	87	710-0157		Hex Bolt 5/16-24 x .75" Lg.
34	781-0526		Hose Guard (637)	88	710-0409		Hex Bolt 5/16-24 x 1.75" Lg.
35	737-0153		Return Elbow	89	—		Engine
36	737-0279		Adapter	90	736-0159		FI-Wash. .344" I.D. x .875" O.D.
37	737-0235		3/4" Hose Barb.	91	737-0236		L-Vent Pipe Plug
38	726-0174		Hose Clamp	92	735-0639		Spark Plug Boot (Optional)
39	710-0521		Hex Bolt 3/8-16 x 3" Lg. (Grade 8)	93	781-0556		Fender (Optional)
40	710-0411		Hex Bolt 3/8-16 x 4" Lg.	95	681-0011A	N	Frame Weldment (635 & 637)
41	710-0944		Hex Bolt 3/8-16 x 4.25" Lg. (Grade 5)		681-0085	N	Frame Weldment (636)
42	711-0813		Clevis Pin 5/16 x 2.5" Lg.	96	720-0235		Grip
43	712-0375		Hex L-Nut 3/8-16 Thd.	97	747-0583		Control Handle
44	712-0798		Hex Nut 3/8-16 Thd.	98	732-0194		Spring Pin
45	713-0433		Chain—Tow Hitch	99	781-0525		Dislodger
				102	750-0750		Spacer 1/2" I.D. x .86" Lg.
				103	721-0168		Bearing Seal Only
				104	736-0262		FI-Wash. 3/8" I.D. x .87" O.D.

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and size as shown on parts list.

Model 638



Model 638

PARTS LIST FOR MODEL 638 LOG SPLITTER

REF. NO.	PART NO.	CODE	DESCRIPTION	REF. NO.	PART NO.	CODE	DESCRIPTION
1	712-0359		Slotted Nut 3/4-16 Thd.	55	781-0370A		Locking Rod
2	714-0162		Cotter Pin 5/32" Dia.	57	723-0405		Filter Element
3	734-0873		Hub Cap	58	723-0406		Filter Head
4	734-1016		Wheel Ass'y. Comp.	60	727-0443		Return Hose 3/4" I.D. x 44" Lg.
	734-0872		Tire Only	61	781-0538		Hose Guard
	734-1017		Rim Only	62	681-0014		Vertical Beam Weldment
	734-0255		Air Valve Only	63	737-0264		90° Adapter (Male)
5	736-0351		FI-Wash. .76" I.D. x 1.5" O.D.	64	726-0199		Hose Clamp .37" Dia.
6	741-3028		Bearing Cone	65	751-0535-15		Fuel Line (6" Lg.)
7	736-0921		L-Wash. 1/2" I.D.*	66	714-0470		Cotter Pin 1/8" Dia.
8	737-0192		90° Solid Male Adapter	67	781-0535		Tank Mtg. Brkt.
9	737-0238		Pipe Nipple 1/2 NPT	68	738-0805		Hinge Pin 1/2 x 4.8" Lg.
10	741-3029		Bearing Cup	69	751-0570		Fuel Tank Ass'y.
11	736-0192		FI-Wash. .531" I.D. x .94" O.D.	70	781-0536		Support Brkt.
12	710-0514		Hex Cap Scr. 3/8-16 x 1" Lg.	71	710-0253		Hex Bolt 3/8-16 x 1" Lg.
13	781-0525		Dislodger	72	751-0580		Muffler Guard
15	710-1018		Hex Bolt 1/2-20 x 2.75" Lg. (Grade 8)	73	710-0117		Hex Bolt 5/16-24 x 1" Lg.
16	710-1032		Hex Bolt 3/8-24 x 1.5" Lg.	74	710-0237		Hex Bolt 5/16-24 x .62" Lg.
17	712-0239		Hex L-Nut 1/2-20 Thd.	75	710-1253		Hex Bolt 5/16-24 x 5.25" Lg.
19	712-3001		Hex Jam Nut 3/8-24 Thd. (Grade 5)	76	712-0123		Hex Nut 5/16-24 Thd.
21	732-0583		Comp. Spring 4" Lg.	77	714-0114		Sq.-Key 1/4" x 2" Lg.
23	781-0323B		Wedge Ass'y.	78	717-0462		Flexible Coupling
24	781-0537		Back Plate	79	718-0248		Gear Pump
25	781-0350A		Fixed Side Gib	80	719-0315		Coupling Shield
26	781-0351		Adjustable Gib	81	726-0132		Hose Clamp 5/8"
27	781-0352A		Adjustable Gib Shim	82	727-0451		Suction Hose 1" I.D.
28	781-0356		Floating Gib Plate	83	727-0452		High Pressure Hydraulic Hose 48"
29	714-0203		External Cotter Pin	84	736-0119		L-Wash. 5/16" I.D.*
30	715-0216		Cylinder Mounting Pin	85	781-0097		Rear Coupling Support Brkt.
31	718-0247		Hydraulic Cylinder	87	710-0157		Hex Bolt 5/16-24 x .75" Lg.
32	717-0899		Control Valve	88	710-0409		Hex Bolt 5/16-24 x 1.75" Lg.
33	727-0323		Metal Pressure Tube	89	—		Engine
34	781-0526		Hose Guard	90	736-0159		FI-Wash. .344" I.D. x .875" O.D.
35	737-0153		Return Elbow	91	737-0236		L-Vent Pipe Plug
36	737-0279		Adapter	92	735-0639		Spark Plug Boot (Optional)
37	737-0235		3/4" Hose Barb.	93	781-0556		Fender
38	726-0174		Hose Clamp 1.5" O.D.	94	681-0008		Support Ass'y.
39	710-0521		Hex Bolt 3/8-16 x 3" Lg. (Grade 8)	95	681-0011A	N	Frame Weldment
40	710-3153		Hex Bolt 3/8-16 x 4.75" Lg.	96	720-0235		Grip
41	710-0944		Hex Bolt 3/8-16 x 4.25" Lg.	97	747-0583		Control Handle
44	712-0798		Hex Nut 3/8-16 Thd.	102	750-0750		Spacer 1/2" I.D. x .86" Lg.
45	713-0433		Chain—Tow Hitch	103	721-0168		Bearing Seal Only
46	715-0116		Roll Pin	104	736-0262		FI-Wash. 3/8" I.D. x .87" O.D.
47	727-0311		Hitch Coupler	105	681-0006		Jack Stand
49	736-0116		FI-Wash. .635" I.D. x .93" O.D.	106	710-0895		Hex AB-Tap Scr. 1/4 x 3/4" Lg.
50	736-0169		L-Wash. 3/8" I.D.*	107	710-0200		Hex Wash. Hd. Scr. #8 x .5" Lg.
52	750-0497		Spacer .445" Lg.	108	710-0289		Hex Bolt 1/4-20 x .5" Lg.*
54	781-0368A		Tongue Tube	109	736-0142		FI-Wash. .25" I.D. x .5" O.D.
				110	781-0558		Jack Stand Brkt.

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